

## LNW80 CASE KIT

The LNW80 Case Kit includes all hardware necessary for mounting the LNW80, System Expansion, Keyboard, Fan, and Transformer.

Hardware Included in Kit

Item No.	Qty. Req.	Description
1	5	4-40 x 3/4 Machine Screw
2	6	4-40 x 1/4 Machine Screw
3	6	4-40 Nut
4	21	6-32 Nut
5	7	4-40 x 1/4 Round Phenolic Threaded Spacer
6	4	#4 x 1/8 Round Nylon Spacer
7	7	#4 Internal Tooth Lock Washer
8	4	4-40 x 1-1/2 Round Alum Spacer
9	4	6-32 x 1 Round Alum Spacer
10	8	6-32 x 1/4 Machine Screw
11	9	#6 x 3/8 Sheet Metal Screw
12	11	6-32 x 3/8 Machine Screw
13	29	#6 Internal Tooth Lockwasher
14	4	Rubber Bumper
15	4	#6 Flat Washer
17	1	Bottom Panel
18	1	Top Panel
19	1	Rear Panel
20	3	Support Bracket

Note that all brackets have two large holes and two smaller holes. The small holes are used for sheet metal screws and the large holes are for the threaded studs.

To differentiate between screws note that #4 hardware has a smaller diameter than #6 hardware and the screw length is measured from the bottom of the screw head to the end of the threads.

ASSEMBLY INSTRUCTIONS

- Step 1 - Install two of the support brackets as shown in figure 1 and 3 using #6-32 nuts and lockwashers. Install also the Right and Left Keyboard brackets as shown in figure 1 and 3 using #6-32 nuts and lockwashers.
- Step 2 - Install the remaining support bracket on the Top Panel under the Keyboard cutout as shown in figure 2 using #6-32 nuts and lockwashers.
- Step 3 - Install the rear panel as shown in figure 3 using #6-32 x 3/8 screws, #6-32 nuts, and lockwashers.

- Step 4 - Install rubber feet as shown in figure 4 at the locations indicated by "C" in figure 3.
- Step 5 - Install the Keyboard support screw as shown in figure 5 at the location in figure 3. Adjustment is made by screwing the fiber standoff until the keyboard (once installed) is level and supported by this screw. Tighten the nut against the fiber standoff without moving the standoff.
- Step 6 - Install the fan as shown in figure 6 at the location shown in figure 3. The hole spacing is designed for a fan with 2.8" x 2.8" hole spacing. If you use any other fan you may need to redrill the mounting holes. A fan is recommended. Mount the standoffs to the fan first.
- Step 7 - Install the transformer as in figure 7 at the location indicated by Figure 3. The hole spacing is designed for the LNW80 transformer. If you use a transformer other than the LNW80 transformer, you may need to redrill the mounting holes.
- Step 8 - Install the hardware in the LNW80 and the Expansion Board as shown in figure 8. If the Expansion Board is not installed you may replace the standoffs (Item 8) and the four #4-40 screws with a #4-40 nut (Item 3). Note that you must use the small nylon spacers (Item 6) to prevent the possibility of shorting.
- Step 9 - Install the Keyboard with four #6 x 3/8 sheet metal screws.
- Step 10 - Using the #6 x 3/8 sheet metal screws tap them into the rear panel at the three holes provided. Then remove the screws. This will allow easier installation of the top panel and prevent the possibility of scratching. Tap also the #6 x 3/8 sheet metal screws into the bracket mounted on the top panel.
- Step 11 - Place the top panel over the bottom panel and install two #6 x 3/8 sheet metal screws in the rear and two #6 x 3/8 sheet metal screws at the bottom front of the case.

#### Other Required Hardware

Figure 9 shows the location on the rear panel for assorted hardware such as fuse holders, switches, connectors, ect.

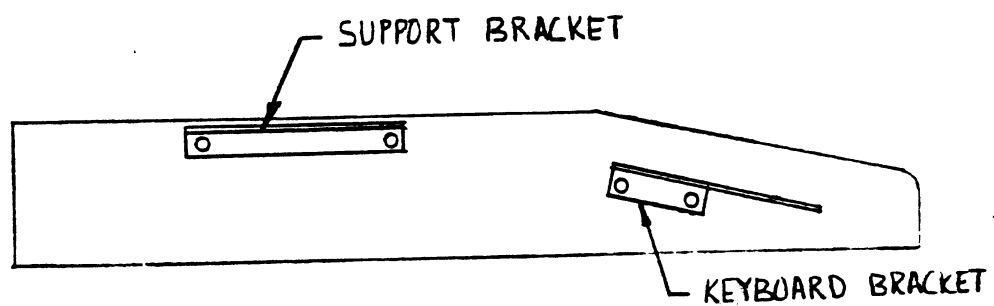


FIGURE 1

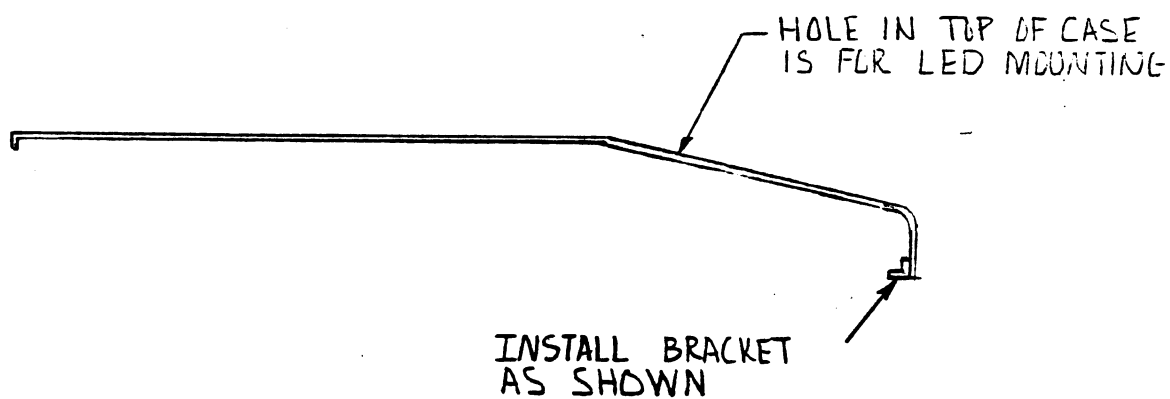


FIGURE 2

TRANSFORMER  
MOUNTING SEE  
FIGURE 6

LEFT KEYBOARD  
BRACKET

SUPPORT BRACKET

FAN  
STEP 6  
FIGURE 6

REFER TO  
FIGURE 5 AND  
STEP 5  
KEYBOARD  
SUPPORT

REAR PANEL

HOLE	MOUNTING FOR
A	TRANSFORMER
B	CIRCUIT BD. MOUNTING
C	RUBBER FEET

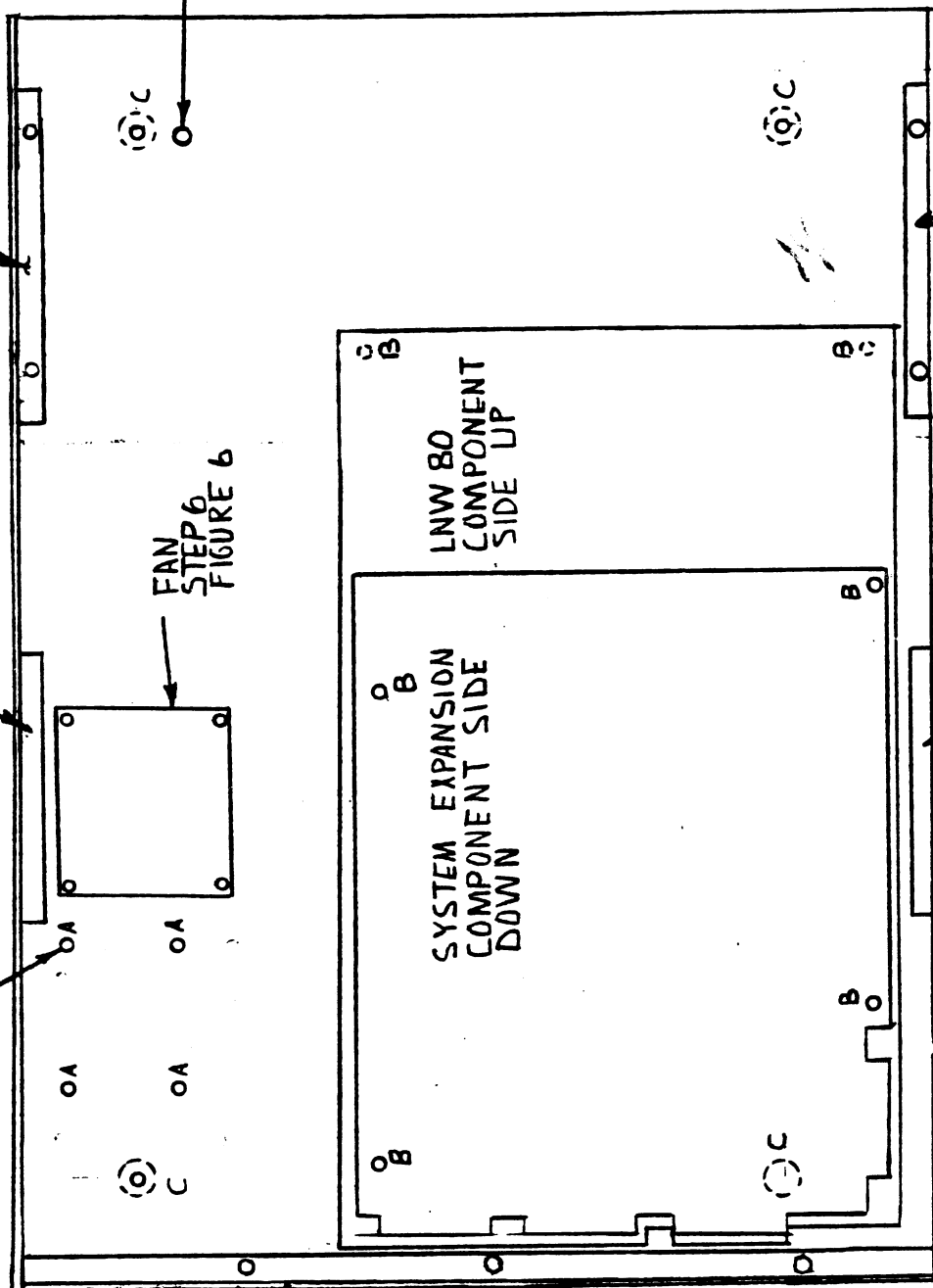


FIGURE 3

NOTE: EXPANSION MOUNTING  
HOLES MUST BE DRILLED  
TO 1/8" DIA.

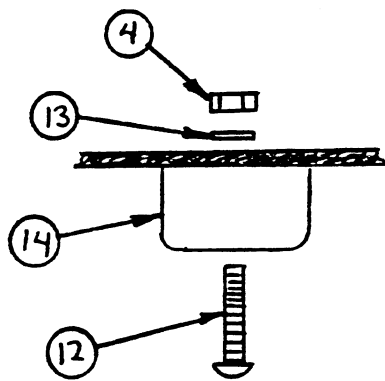


FIGURE 4

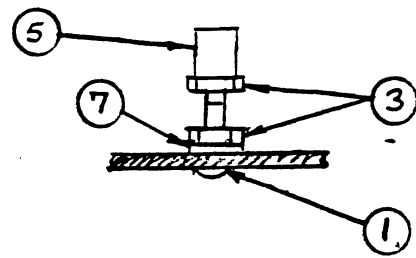


FIGURE 5

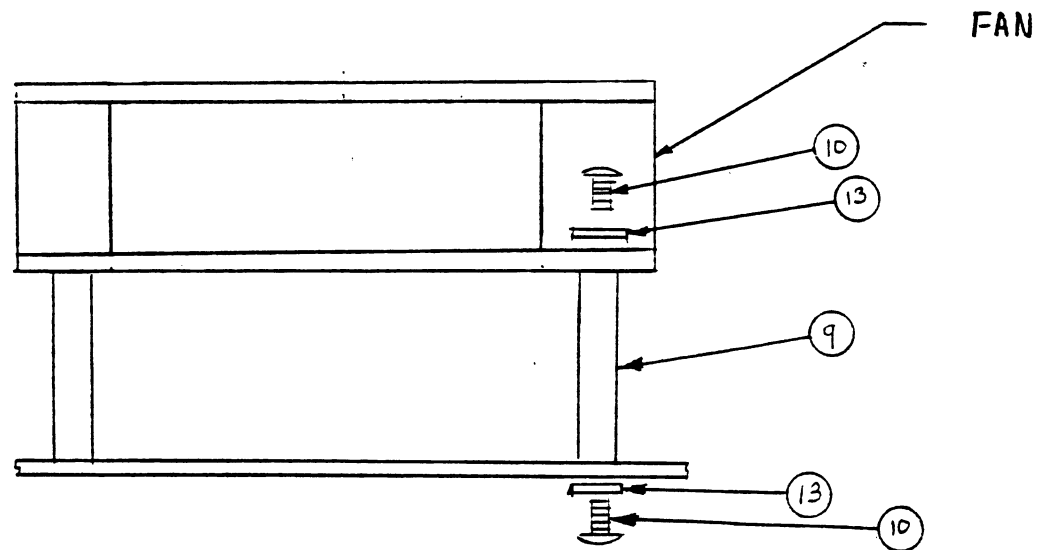


FIGURE 6

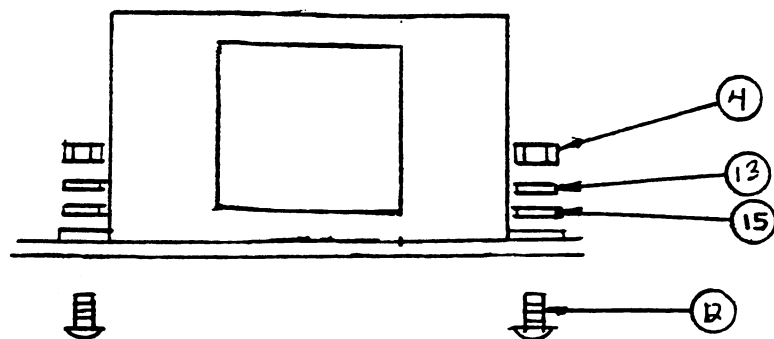


FIGURE 7

EXPANSION BOARD  
COMPONENT SIDE DOWN

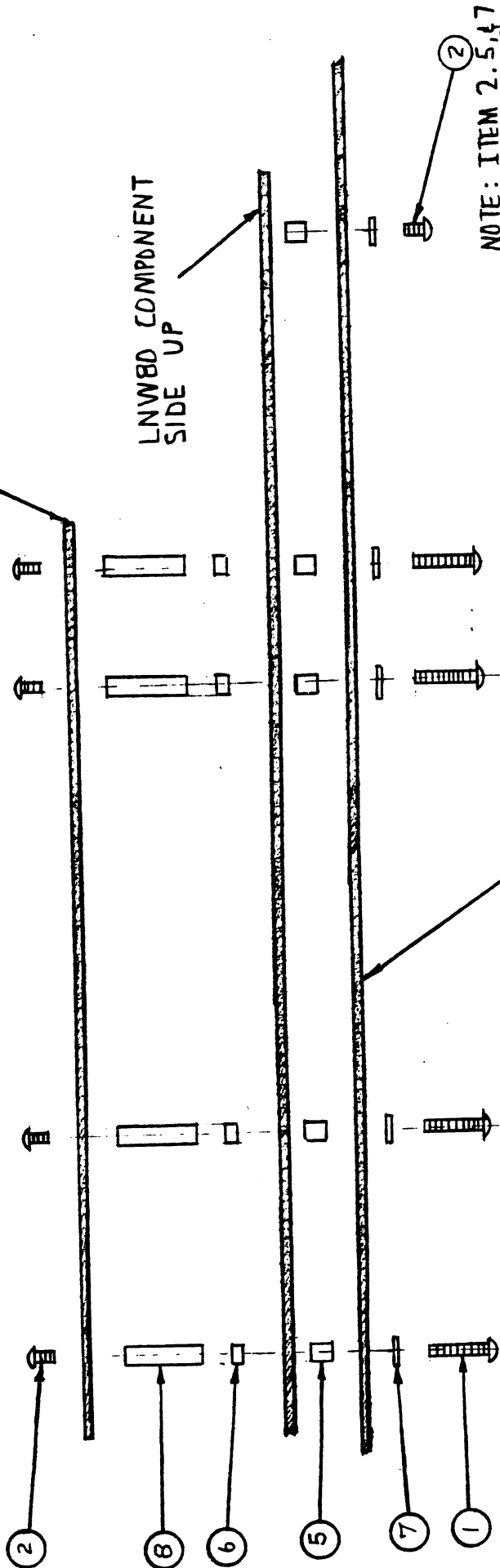
LNWBD COMPONENT  
SIDE UP

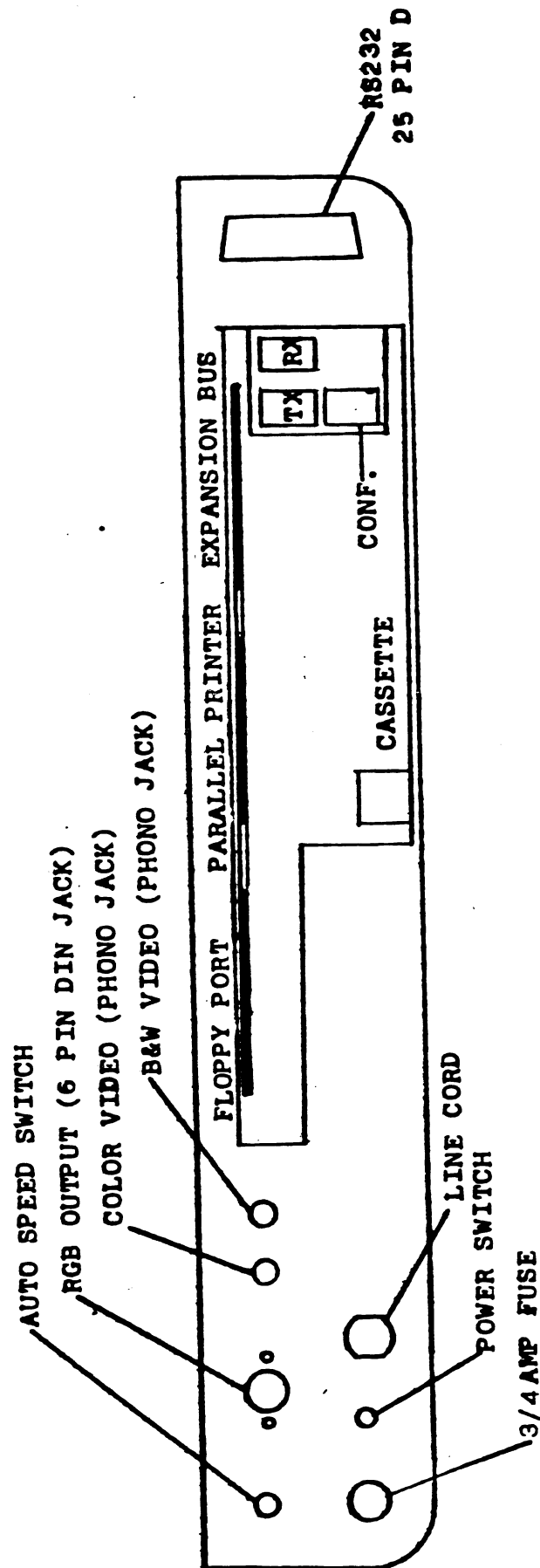
NOTE: ITEM 2, 5, 6, 7  
USED NEAR  
AND FAR  
SIDE

FRONT OF CASE →

CASE BOTTOM PANEL

FIGURE 8





REAR PANEL  
FIGURE 9